

**Capital Scholars Honors Program  
Advising Guide for Biochemistry Majors  
2021-2022**

**Recommended Course Schedule**

**First Year**

Fall Semester	Hours	Spring Semester	Hours
CAP 111: Honors Composition	3 Hrs.	CAP 115: Interdisciplinary Writing	3 Hrs.
CAP 122: Who Am I?	3 Hrs.	CAP 123: How Do You Know?	3 Hrs.
CAP 102: Introduction to Honors	2 Hrs.	Visual/Creative/Performing Arts Requirement	3 Hrs.
Math 115: Calculus I (Skills)	4 Hrs.	MAT 116: Calculus II (Applied)	4 Hrs.
CHE 141: General Chemistry I (* Prerequisites)	4 Hrs.	CHE 142: General Chemistry II	4 Hrs.
CHE 143: Recitation for General Chemistry (must be taken concurrently with CHE 141)	0 Hrs.	CHE 144: Recitation for General Chemistry II (must be taken at the same time as CHE 142)	0 Hrs.
<i>Total</i>	<i>16 Hrs.</i>	<i>Total</i>	<i>17 Hrs.</i>

\* High school chemistry and placement in MAT 094 or higher. Students who took CHE 101, need a grade of B or higher.

**Summer:**

COM 112: Oral Communication	3 Hrs.
<i>TOTAL</i>	<i>3 Hrs.</i>

**Second Year**

Fall Semester	Hours	Spring Semester	Hours
CAP 225: What is Good?	3 Hrs.	CAP 226: What is Power?	3 Hrs.
CHE 267: Organic Chemistry I (also offered in the summer)	3 Hrs.	CHE 269: Organic Chemistry II	3 Hrs.
CHE 268: Organic Chemistry I Lab	1 Hrs.	CHE 271 Organic Chemistry II lab	1 Hr.
ASP 201: University Physics I	4 Hrs.	ASP 202: University Physics II	4 Hrs.
BIO 141: Unity of Living Organisms (optional, not required until Junior year)	4 Hrs.	BIO 142: Biology of Organisms in the Environment	4 Hrs.
Social/ Behavioral Science	3 Hrs.	CAP 25x/35x: Global Issues	3 Hrs.
<i>Total</i>	<i>18 Hrs.</i>	<i>Total</i>	<i>18 Hrs.</i>

**Honors Global Awareness Requirement: Junior and Senior Year (unless you take summer classes)**

**CAP 402: Senior Seminar (1 credit hour) - suggested fall semester of senior year.**

**All Chemistry Majors must complete 3 hours of CHE 400 ECCE: Undergraduate Research before graduation. Talk to your Chemistry faculty advisor in your sophomore and junior years to arrange this.**

ECCE (Engaged Citizenship Common Experience) 10 Hours	CAP Courses That Count Towards ECCE
<ul style="list-style-type: none"> <li>• U.S. Communities (3 hrs)</li> </ul>	
<ul style="list-style-type: none"> <li>• Global Awareness (3 hrs)</li> </ul>	CAP 25x/35x: Global Issues
<ul style="list-style-type: none"> <li>• Engagement Experience (3 hrs)</li> </ul>	CAP 371: Peer Mentoring/ CAP 361: Peer Tutoring (also CHE 302 or CHE 400 Undergraduate Research)
<ul style="list-style-type: none"> <li>• Speakers Series (1 hr)</li> </ul>	

Students complete ECCE requirements in at least 2 of the 3 ECCE Categories-U.S. Communities, Global Awareness, Engagement Experience (per CAP and major requirements)-in addition to Speakers Series- 10 Hours.

*Students who are pre-professional (pre-med, pre-vet, etc.) should review the pre-professional website and meet with a pre-professional advisor <http://www.uis.edu/preprofessional/>.*